

DATA REVIEW FOR ACUTE ORAL TOXICITY TESTING (§152-10, 870.1100)**EPA Reviewer:** Roy D. Sjobald, Ph.D.

Biopesticides and Pollution Prevention Division (7511C)

F. T. J. *T. J. J.* Date 12/2/99**Study Title:** LX 125-09 - Acute Oral Toxicity Study in Rats**MRID No.:** 448574-04**File Jacket Symbol:** 063823-UN**DP Barcode:** D257552**Study No.:** 95/353-001P**Study Completion Date:** November 13, 1997**Sponsor:** Management Contract Services, Inc., P.O. Box 5209, Valdosta, GA 31601-5209**Testing Facility:** Toxicological Research Centre Ltd., H-8201 Veszprém, Szabadságpuszta, Hungary**Author:** Sebestyén, I.**Quality Assurance (40 CFR §160.12):** Included**Test Material:** LX 125-09 (Biopren BM 5 GR Larva Killer Granule, 5.0% Methoprene); Batch W77706; granules**PC Code:** 105401**Species:** Rats; Wistar CRL:(WI) BR**Age:** Young adult**Weight (fasted):** Males: 239-261 g; Females: 166-184 g**Source:** Charles River (Europe) Laboratories Inc., Budapest, Hungary**Procedural Deviations from Subdivision M Guideline §152-10:** None

The test material was administered as 25% w/v suspension in sunflower oil by oral gavage.

Dosage (mg/kg)	Number of Deaths/Number Tested		
	Males	Females	Combined
vehicle control	0/5	0/5	0/10
5000	0/5	0/5	0/10

Observations: The test animals were observed for clinical signs hourly for five hours after dosing and daily thereafter for 14 days. No animals died and all vehicle control animals appeared normal during the study. Clinical signs on male rats included increased respiration rate, squatting position, and piloerection after the first and second hours of dosing with recovery the next day. Piloerection was noted on all females on the second and fourth hours with recovery the next day. Soft light colored stools were noted from all rats on the first and second days after treatment with recovery by day 3. All rats had normal body weight gains during the study.

Gross Necropsy: No test material related abnormalities were observed.**Conclusion:**

1. **LD₅₀ (mg/kg):** > 5000 mg/kg
2. **Tox. Category:** IV
3. **Classification:** Acceptable